



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/803,858
Source: 1/FWD -
Date Processed by STIC: 3/29/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT

MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/803,858

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ **Wrapped Nucleics
Wrapped Aminos** The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 ☐ **Invalid Line Length** The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
- 3 ☐ **Misaligned Amino
Numbering** The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
- 4 ☐ **Non-ASCII** The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. Please **ensure your subsequent submission is saved in ASCII text.**
- 5 ☐ **Variable Length** Sequence(s) ☐ contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 ☐ **PatentIn 2.0
"bug"** A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) ☐. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
- 7 ☐ **Skipped Sequences
(OLD RULES)** Sequence(s) ☐ missing. If intentional, please insert the following lines for **each** skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
- 8 ☐ **Skipped Sequences
(NEW RULES)** Sequence(s) ☐ missing. If **intentional**, please insert the following lines for **each** skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 ☐ **Use of n's or Xaa's
(NEW RULES)** Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
- 10 ☐ **Invalid <213>
Response** Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence
- 11 ☐ **Use of <220>** Sequence(s) ☐ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 ☐ **PatentIn 2.0
"bug"** Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 ☐ **Misuse of n/Xaa** "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/803,858

DATE: 03/29/2004

TIME: 12:12:22

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03292004\J803858.raw

3 <110> APPLICANT: Liew, Choong-Chin
 5 <120> TITLE OF INVENTION: Methods for the Detection of Heart-Specific Gene Transcripts
 in Blood and

6 Uses Thereof

8 <130> FILE REFERENCE: 2431/2053B

C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/803,858

C--> 10 <141> CURRENT FILING DATE: 2004-03-18

10 <150> PRIOR APPLICATION NUMBER: 10/268,730

11 <151> PRIOR FILING DATE: 2002-10-04

13 <150> PRIOR APPLICATION NUMBER: 09/477,148

14 <151> PRIOR FILING DATE: 2000-01-04

16 <150> PRIOR APPLICATION NUMBER: 60/115,125

17 <151> PRIOR FILING DATE: 1999-01-06

19 <160> NUMBER OF SEQ ID NOS: 10

21 <170> SOFTWARE: PatentIn version 3.1

23 <210> SEQ ID NO: 1

24 <211> LENGTH: 18

25 <212> TYPE: DNA

26 <213> ORGANISM: Artificial

28 <220> FEATURE:

29 <223> OTHER INFORMATION: primer_bind

31 <400> SEQUENCE: 1

32 gccctctggg gacctgac

35 <210> SEQ ID NO: 2

36 <211> LENGTH: 18

37 <212> TYPE: DNA

38 <213> ORGANISM: Artificial

40 <220> FEATURE:

41 <223> OTHER INFORMATION: primer_bind

43 <400> SEQUENCE: 2

44 cccacctgca ggtcctct

47 <210> SEQ ID NO: 3

48 <211> LENGTH: 24

49 <212> TYPE: DNA

50 <213> ORGANISM: Artificial

52 <220> FEATURE:

53 <223> OTHER INFORMATION: primer_bind

55 <400> SEQUENCE: 3

56 gctggaacgt agagactccc tgct

59 <210> SEQ ID NO: 4

60 <211> LENGTH: 24

61 <212> TYPE: DNA

62 <213> ORGANISM: Artificial

64 <220> FEATURE:

pp 1-2
 Does Not Comply
 Corrected Diskette Needed

This is an appropriate <2217 NAME/KEY:
 response, but

18 hot one for
 line <2237. Give
 source of genetic
 material on
 18 <2237 line,
 (to explain
 Artificial Sequence)
 See item 11
 on Error
 24 summary
 sheet.

RAW SEQUENCE LISTING

DATE: 03/29/2004

PATENT APPLICATION: US/10/803,858

TIME: 12:12:22

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03292004\J803858.raw

65 <223> OTHER INFORMATION: primer_bind
67 <400> SEQUENCE: 4
68 ggatccttcc agatcatcca cttg 24
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 20
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial
76 <220> FEATURE:
77 <223> OTHER INFORMATION: primer_bind
79 <400> SEQUENCE: 5
80 ggatttcaag aatttgctgg 20
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 20
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial
88 <220> FEATURE:
89 <223> OTHER INFORMATION: primer_bind
91 <400> SEQUENCE: 6
92 gcagatcgat cagaggagtc 20
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 20
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial
100 <220> FEATURE:
101 <223> OTHER INFORMATION: primer_bind
103 <400> SEQUENCE: 7
104 ggatgcttca tgtgaacgtg 20
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 19
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial
112 <220> FEATURE:
113 <223> OTHER INFORMATION: primer_bind
115 <400> SEQUENCE: 8
116 tcattcacac cagcacatg 19
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 21
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial
124 <220> FEATURE:
125 <223> OTHER INFORMATION: primer_bind
127 <400> SEQUENCE: 9
128 cacargagrc arggtcaacg a 21
131 <210> SEQ ID NO: 10
132 <211> LENGTH: 22
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial
136 <220> FEATURE:
137 <223> OTHER INFORMATION: primer_bind

RAW SEQUENCE LISTING

DATE: 03/29/2004

PATENT APPLICATION: US/10/803,858

TIME: 12:12:22

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03292004\J803858.raw

139 <400> SEQUENCE: 10

140 ggattaaaat gaagcaccca ga

22

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/803,858

DATE: 03/29/2004
TIME: 12:12:23

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\03292004\J803858.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/803,858

DATE: 03/29/2004

TIME: 12:12:23

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03292004\J803858.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date